| INF | ORMATION CITATION | Œ | ATTY. DOCKET NO. 2038-221A | | U.S. PATENT APPLICATION NO. 1064906 | | | | | |
|-------------------------|---|--------------------|--|------------------------------------|---|---------------------|--------------------|--|--|--|
| | APPLIC | | | APPLICANT Hironao MINATO et al. | | | | | | |
| (PTO-1449) | | | | FILING DATE September 22, | | GROUP -5468-3700 | | | | |
| | | U.S. PA | TENT DO | CUMENTS | | | | | | |
| EXAMINER'S PATENT NO. | | DATE | NAME | | CLASS | SUBCLASS | FILING DATE | | | |
| m | 4,904,251 | 02-1990 | Igaue <i>et al</i> . | | | | | | | |
| | 5,624,426 | 04-1997 | R | oe <i>et al</i> . | | 7 | | | | |
| | 4,695,278 | 09-1987 | Lawson | | | | | | | |
| | 4,816,025 | 03-1989 | F | oreman | | | | | | |
| | 5,061,261 | 10-1991 | Suzuki <i>et al.</i> Igaue <i>et al.</i> Suzuki <i>et al.</i> Roe <i>et al.</i> | | | | | | | |
| | 5,114,420 | 05-1992 | | | | X | | | | |
| | 5,246,432 | 09-1993 | | | | | | | | |
| | Н0,001,630 | 01-1997 | | | 1 / | | | | | |
| | 4,704,116 | 11-1987 | Enloe | | | | | | | |
| | 5,571,096 | 11-1996 | Dobrin et al. | | 1/ | | | | | |
| | 5,674,213 | 10-1997 | Sauer | | / | 1 | | | | |
| 1/ | 6,123,694 | 09-2000 | Pier | niak <i>et al</i> . | | 1 | | | | |
| | | FOREIGN | PATENT I | DOCUMENTS | | | 7 | | | |
| EXAMINER'S INITIALS | PATENT NO. | DATE | CC | DUNTRY | CLASS | SUBCLASS | Translation Yes No | | | |
| Byl | 4-55072 | 09-1992 | Japan | | | | | | | |
| , | 64-18105 | 01-1989 | Japan | | 1 | | | | | |
| | 2 280 593 | 02-1995 | Grea | at Britain | | / | | | | |
| | 2 699 813 | 07-1994 | France | | | | | | | |
| | 0 329 160 | 08-1989 | EPO | | 1 | | | | | |
| | 2 215 986 | 06-1992 | Unite | United Kingdom | | | | | | |
| | 4-295356 | 10-1992 | | Japan | 1 / | | | | | |
| | 3-268753 | 11-1991 | d | lapan | 1/ | | | | | |
| | 4-12256 | 04-1992 | | Japan | 1/ | | | | | |
| | 4-325153 | 11-1992 | | Japan | / | | | | | |
| | ОТНЕЯ | R ART (Including A | uthor, Titl | e, Date, Pertine | nt Pages, Etc | .) | | | | |
| Ph. | English Language Abstract of JP 10 290817 | | | | | | | | | |
| | English Language Abstract of JP 03 222946 | | | | | | | | | |
| | European Search Report and Annex | | | | | | | | | |

| INF | ORMATION CITATION | DISCLOSURE | ATTÝ. DOCKET 2038-221A | ATTÝ. DOCKET NO. 2038-221A | | U.S. PATENT APPLICATION NO. 106496 | | | | | | |
|--|--|---------------|------------------------------------|-------------------------------|----------|--|---------|--|--|--|--|--|
| | APPLICA | | APPLICANT Hironao MINATO et al. | | | | | | | | | |
| | (PTO-1 | | FILING DATE September 22, 2003 | | | GROUP 5468 3700 | | | | | | |
| | | U.S. PATENT D | OCUMENTS | | | | | | | | | |
| EXAMINER'S INITIALS | PATENT NO. | DATE | NAME | CLASS | SUBCLASS | BCLASS DATE | | | | | | |
| | | | | ļ | ļ | | | | | | | |
| | | | | | | ļ | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | T D O OVI 1 (D) ITO | <u> </u> | <u> </u> | <u></u> | | | | | | |
| FOREIGN PATENT DOCUMENTS Translate Translate | | | | | | | | | | | | |
| EXAMINER'S INITIALS | PATENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | Yes | No | | | | | |
| pape | 0745367 A2 | 12-1996 | ЕРО | | | | | | | | | |
| | 3423644 A1 | | Germany | | | | | | | | | |
| | 3741828 C1 | | Germany | ļ | | | <u></u> | | | | | |
| | 2-71521 U | 05-1990 | Japan | | | | | | | | | |
| | 617726 U | 03-1994 | Japan | | | | | | | | | |
| V | WO 97/16144 | 05-1997 | PCT | / | <u> </u> | <u> </u> | | | | | | |
| | | | | | | | | | | | | |
| | | | | ļ | | | | | | | | |
| | | | | ļ | | | | | | | | |
| | | | | <u></u> | | | | | | | | |
| | OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | - | | | | | |
| EXAMINER | K.M. Re | edle | DATE CONSIDERED | | | | | | | | | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.